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* * * * * * * * * *  Welcome to STN International  * * * * * * * * * *

| | | | |
|---|---|---|---|
| NEWS | 1 | | Web Page for STN Seminar Schedule - N. America |
| NEWS | 2 | DEC 01 | ChemPort single article sales feature unavailable |
| NEWS | 3 | JAN 06 | The retention policy for unread STNmail messages will change in 2009 for STN-Columbus and STN-Tokyo |
| NEWS | 4 | JAN 07 | WPIDS, WPINDEX, and WPIX enhanced Japanese Patent Classification Data |
| NEWS | 5 | FEB 02 | Simultaneous left and right truncation (SLART) added for CERAB, COMPUAB, ELCOM, and SOLIDSTATE |
| NEWS | 6 | FEB 02 | GENBANK enhanced with SET PLURALS and SET SPELLING |
| NEWS | 7 | FEB 06 | Patent sequence location (PSL) data added to USGENE |
| NEWS | 8 | FEB 10 | COMPENDEX reloaded and enhanced |
| NEWS | 9 | FEB 11 | WTEXTILES reloaded and enhanced |
| NEWS | 10 | FEB 19 | New patent-examiner citations in 300,000 CA/CAplus patent records provide insights into related prior art |
| NEWS | 11 | FEB 19 | Increase the precision of your patent queries -- use terms from the IPC Thesaurus, Version 2009.01 |
| NEWS | 12 | FEB 23 | Several formats for image display and print options discontinued in USPATFULL and USPAT2 |
| NEWS | 13 | FEB 23 | MEDLINE now offers more precise author group fields and 2009 MeSH terms |
| NEWS | 14 | FEB 23 | TOXCENTER updates mirror those of MEDLINE - more precise author group fields and 2009 MeSH terms |
| NEWS | 15 | FEB 23 | Three million new patent records blast AEROSPACE into STN patent clusters |
| NEWS | 16 | FEB 25 | USGENE enhanced with patent family and legal status display data from INPADOCDB |
| NEWS | 17 | MAR 06 | INPADOCDB and INPAFAMDB enhanced with new display formats |
| NEWS | 18 | MAR 11 | EPFULL backfile enhanced with additional full-text applications and grants |
| NEWS | 19 | MAR 11 | ESBIOBASE reloaded and enhanced |
| NEWS | 20 | MAR 20 | CAS databases on STN enhanced with new super role for nanomaterial substances |
| NEWS | 21 | MAR 23 | CA/CAplus enhanced with more than 250,000 patent equivalents from China |
| NEWS | 22 | MAR 30 | IMSPATENTS reloaded and enhanced |
| NEWS | 23 | APR 03 | CAS coverage of exemplified prophetic substances enhanced |

NEWS EXPRESS JUNE 27 08 CURRENT WINDOWS VERSION IS V8.3,
AND CURRENT DISCOVER FILE IS DATED 23 JUNE 2008.

| | |
|---|---|
| NEWS HOURS | STN Operating Hours Plus Help Desk Availability |
| NEWS LOGIN | Welcome Banner and News Items |
| NEWS IPC8 | For general information regarding STN implementation of IPC 8 |

Enter NEWS followed by the item number or name to see news on that specific topic.

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* * * * * * * * * * * * * * * * STN Columbus * * * * * * * * * * * * * * * *

FILE 'HOME' ENTERED AT 15:39:41 ON 07 APR 2009

=> fil reg

| COST IN U.S. DOLLARS | SINCE FILE ENTRY | TOTAL SESSION |
|---|---|---|
| FULL ESTIMATED COST | 0.22 | 0.22 |

FILE 'REGISTRY' ENTERED AT 15:39:51 ON 07 APR 2009
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Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 6 APR 2009 HIGHEST RN 1132745-38-0
DICTIONARY FILE UPDATES: 6 APR 2009 HIGHEST RN 1132745-38-0

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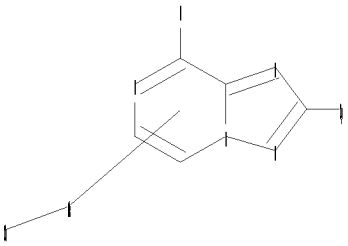
TSCA INFORMATION NOW CURRENT THROUGH January 9, 2009.

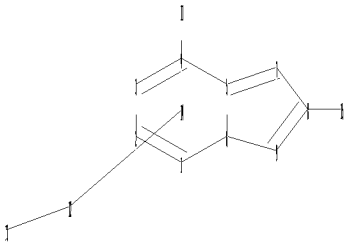
Please note that search-term pricing does apply when conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

http://www.cas.org/support/stngen/stndoc/properties.html

=>
Uploading C:\Program Files\STNEXP\Queries\10552305newest.str





chain nodes :
11 12 13 15
ring nodes :
1 2 3 4 5 6 7 8 9
chain bonds :

```
4-11  8-15  12-13
ring bonds :
1-2  1-6  2-3  3-4  4-5  5-6  5-7  6-9  7-8  8-9
exact/norm bonds :
1-2  1-6  2-3  3-4  4-5  4-11  5-6  5-7  6-9  7-8  8-9  8-15  12-13
isolated ring systems :
containing 1 :


Match level :
1:Atom  2:Atom  3:Atom  4:Atom  5:Atom  6:Atom  7:Atom  8:Atom  9:Atom  11:CLASS
12:CLASS  13:Atom  14:CLASS  15:Atom
Generic attributes :
13:
Saturation             : Saturated
Type of Ring System    : Monocyclic




L1      STRUCTURE UPLOADED

=> d l1
L1 HAS NO ANSWERS
L1              STR
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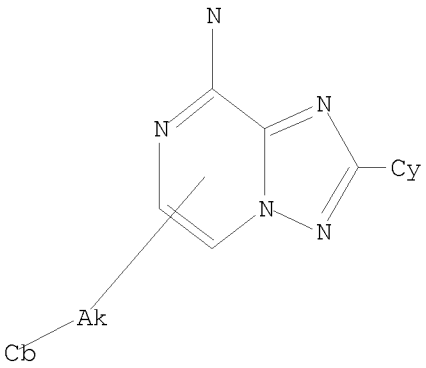


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Structure attributes must be viewed using STN Express query preparation.


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SAMPLE SCREEN SEARCH COMPLETED -      543 TO ITERATE

100.0% PROCESSED      543 ITERATIONS                                  2 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:  ONLINE  **COMPLETE**
                        BATCH   **COMPLETE**
PROJECTED ITERATIONS:          9462 TO    12258
PROJECTED ANSWERS:                2 TO      124

L2            2 SEA SSS SAM L1

=> s l1 sss full
FULL SEARCH INITIATED 15:40:11 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED -    10474 TO ITERATE
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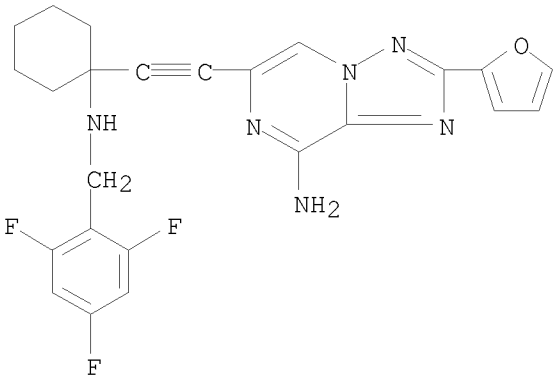
100.0% PROCESSED  10474 ITERATIONS  10 ANSWERS
SEARCH TIME: 00.00.01

L3  10 SEA SSS FUL L1

=> d scan

L3  10 ANSWERS  REGISTRY  COPYRIGHT 2009 ACS on STN
IN  [1,2,4]Triazolo[1,5-a]pyrazin-8-amine,
    2-(2-furanyl)-6-[2-[1-[[(2,4,6-
    trifluorophenyl)methyl]amino]cyclohexyl]ethynyl]-
MF  C24 H21 F3 N6 O



**PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT**

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):0

=> fil cap

| COST IN U.S. DOLLARS | SINCE FILE ENTRY | TOTAL SESSION |
|---|---|---|
| FULL ESTIMATED COST | 185.88 | 186.10 |

FILE 'CAPLUS' ENTERED AT 15:40:22 ON 07 APR 2009
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FILE COVERS 1907 - 7 Apr 2009  VOL 150 ISS 15
FILE LAST UPDATED: 6 Apr 2009  (20090406/ED)

Caplus now includes complete International Patent Classification (IPC) reclassification data for the third quarter of 2008.

CAS Information Use Policies apply and are available at:

http://www.cas.org/legal/infopolicy.html

This file contains CAS Registry Numbers for easy and accurate substance identification.

=> d his

(FILE 'HOME' ENTERED AT 15:39:41 ON 07 APR 2009)

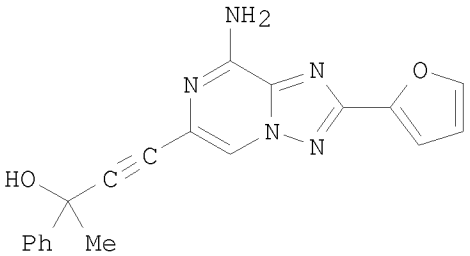
FILE 'REGISTRY' ENTERED AT 15:39:51 ON 07 APR 2009
L1 STRUCTURE UPLOADED
L2 2 S L1
L3 10 S L1 SSS FULL

FILE 'CAPLUS' ENTERED AT 15:40:22 ON 07 APR 2009

=> s l3
L4 2 L3

=> d 1-2 ibib abs hitstr

L4 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 2005:74649 CAPLUS
DOCUMENT NUMBER: 142:298062
TITLE: Synthesis of alkyne derivatives of a novel triazolopyrazine as A2A adenosine receptor antagonists
AUTHOR(S): Yao, Gang; Haque, Serajul; Sha, Li; Kumaravel, Gnanasambandam; Wang, Joy; Engber, Thomas M.; Whalley, Eric T.; Conlon, Patrick R.; Chang, Hexi; Kiesman, William F.; Petter, Russell C.
CORPORATE SOURCE: Departments of Medicinal Chemistry and Pharmacology, Biogen Idec, Cambridge, MA, 02142, USA
SOURCE: Bioorganic & Medicinal Chemistry Letters (2005), 15(3), 511-515
CODEN: BMCLE8; ISSN: 0960-894X
PUBLISHER: Elsevier B.V.
DOCUMENT TYPE: Journal
LANGUAGE: English
OTHER SOURCE(S): CASREACT 142:298062
GI



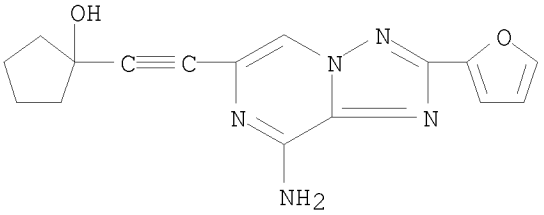

I

AB A [1,2,4]triazolo[1,5-a]pyrazine core was synthesized and coupled with terminal acetylenes. The structure-activity relationship of the alkynes, e.g., I, from this template was studied for their in vitro and in vivo

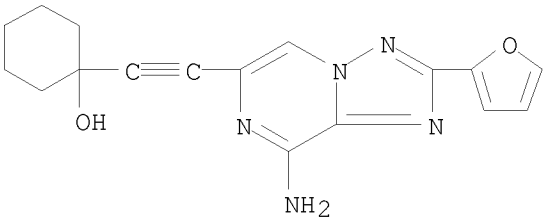
adenosine A2A receptor antagonism. Selected compds. from this series were shown to have potent in vitro and in vivo activities against adenosine A2A receptor. I was found to be orally active at 3 mg/kg in both a mouse catalepsy model and a 6-hydroxydopamine-lesioned rat model.

IT 785049-27-6P 785049-29-8P
RL: PAC (Pharmacological activity); PRP (Properties); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)
(preparation, A2A adenosine receptor affinity, Parkinson's disease efficacy, and SAR of alkynyltriazolopyridazines via Sonogashira coupling of amino(furanyl)bromotriazolopyridazine with alkynes)

RN 785049-27-6 CAPLUS
CN Cyclopentanol, 1-[2-[8-amino-2-(2-furanyl)[1,2,4]triazolo[1,5-a]pyrazin-6-yl]ethynyl]- (CA INDEX NAME)

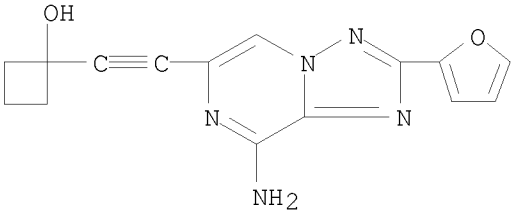


RN 785049-29-8 CAPLUS
CN Cyclohexanol, 1-[2-[8-amino-2-(2-furanyl)[1,2,4]triazolo[1,5-a]pyrazin-6-yl]ethynyl]- (CA INDEX NAME)

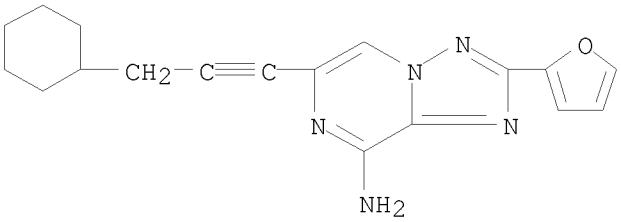


IT 785049-26-5P 785049-37-8P 785049-51-6P
RL: PAC (Pharmacological activity); PRP (Properties); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)
(preparation, A2A adenosine receptor affinity, and SAR of alkynyltriazolopyridazines via amination of aminodibromopyrazine with carbamate followed by condensation with furancarboxaldehyde, cyclization, and Sonogashira coupling with alkynes)

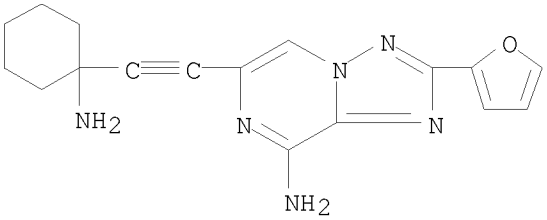
RN 785049-26-5 CAPLUS
CN Cyclobutanol, 1-[2-[8-amino-2-(2-furanyl)[1,2,4]triazolo[1,5-a]pyrazin-6-yl]ethynyl]- (CA INDEX NAME)



RN 785049-37-8 CAPLUS
CN [1,2,4]Triazolo[1,5-a]pyrazin-8-amine,
6-(3-cyclohexyl-1-propyn-1-yl)-2-(2-furanyl)- (CA INDEX NAME)



RN 785049-51-6 CAPLUS
CN [1,2,4]Triazolo[1,5-a]pyrazin-8-amine,
6-[2-(1-aminocyclohexyl)ethynyl]-2-(2-furanyl)- (CA INDEX NAME)



REFERENCE COUNT: 29 THERE ARE 29 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 2004:902386 CAPLUS
DOCUMENT NUMBER: 141:395583
TITLE: Preparation of triazolopyrazines as A2a adenosine receptor antagonists for the treatment of Parkinson's disease
INVENTOR(S): Dowling, James; Yao, Gang; Chang, Hexi; Peng, Hairuo; Vessels, Jeffrey; Petter, Russell C.; Kumaravel, Gnanasambandam
PATENT ASSIGNEE(S): Biogen Idec Ma Inc., USA
SOURCE: PCT Int. Appl., 100 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

| PATENT NO. | KIND | DATE | APPLICATION NO. | DATE |
|---|---|---|---|---|
| WO 2004092177 | A1 | 20041028 | WO 2004-US11006 | 20040409 |

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW
RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI,

SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

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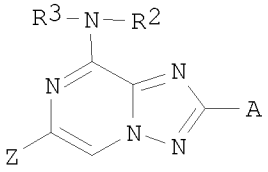
| EP 1615931 | A1 | 20060118 | EP 2004-759356 | 20040409 |
| R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, PL, SK, HR | | | | |
| US 20070010520 | A1 | 20070111 | US 2006-552305 | 20060829 |
| PRIORITY APPLN. INFO.: | | | US 2003-461546P | P 20030409 |
| | | | WO 2004-US11006 | W 20040409 |

OTHER SOURCE(S): CASREACT 141:395583; MARPAT 141:395583

GI



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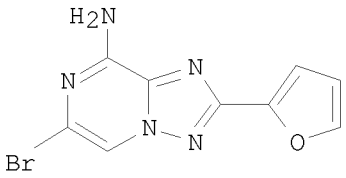
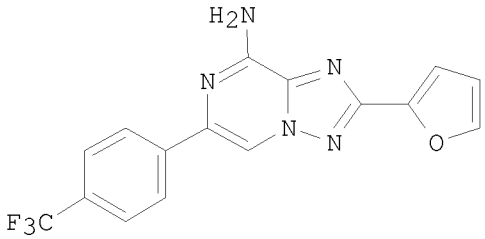


II



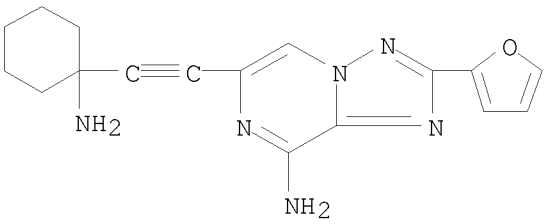
III

AB Title compds. I [A = aryl, heteroaryl; R2, R3 = H, alkyl, cycloalkyl, etc.; Z = -X1-L-X2-Y-X3-R1; X1, X2, X3 = bond, alkylene, alkenylene, etc.; L = bond or cyclic-linker] and their pharmaceutically acceptable salts and N-oxides were prepared For example, coupling of 4-trifluoromethylphenylboronic acid and bromophenyl II, e.g., prepared from furan-2-carbonitrile in 3-steps, afforded claimed triazolopyrazine III. In A2a adenosine receptor binding assays, compds. I exhibited Ki values less than 10 μM. Compds. I are claimed useful for the treatment of Parkinson's disease.

IT 785049-51-6P
RL: PAC (Pharmacological activity); RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)
(preparation of triazolopyrazines as A2a adenosine receptor antagonists for the treatment of Parkinson's disease)

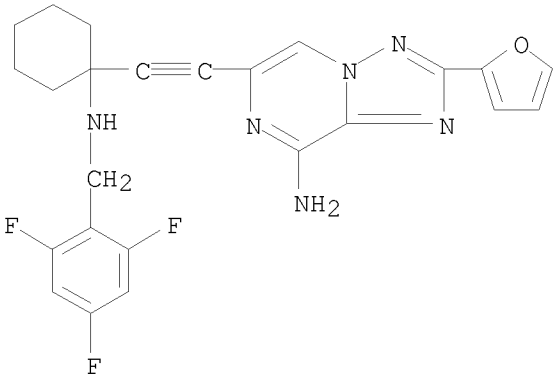
RN 785049-51-6 CAPLUS

CN [1,2,4]Triazolo[1,5-a]pyrazin-8-amine, 6-[2-(1-aminocyclohexyl)ethynyl]-2-(2-furanyl)- (CA INDEX NAME)

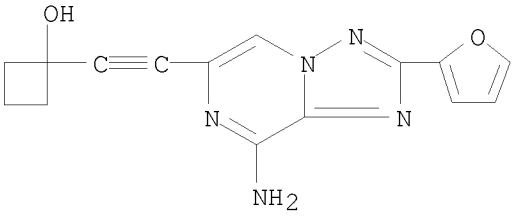


IT 785049-20-9P 785049-26-5P 785049-27-6P
785049-28-7P 785049-29-8P 785049-34-5P
785049-35-6P 785049-37-8P 785049-38-9P
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of triazolopyrazines as A2a adenosine receptor antagonists for the treatment of Parkinson's disease)

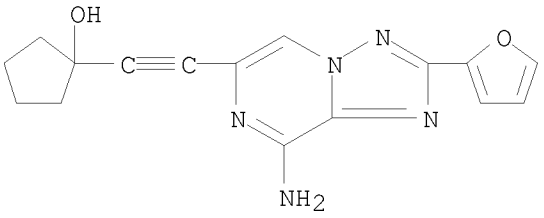
RN 785049-20-9 CAPLUS
CN [1,2,4]Triazolo[1,5-a]pyrazin-8-amine, 2-(2-furanyl)-6-[2-[1-[[(2,4,6-trifluorophenyl)methyl]amino]cyclohexyl]ethynyl]- (CA INDEX NAME)



RN 785049-26-5 CAPLUS
CN Cyclobutanol, 1-[2-[8-amino-2-(2-furanyl)[1,2,4]triazolo[1,5-a]pyrazin-6-yl]ethynyl]- (CA INDEX NAME)



RN 785049-27-6 CAPLUS
CN Cyclopentanol, 1-[2-[8-amino-2-(2-furanyl)[1,2,4]triazolo[1,5-a]pyrazin-6-yl]ethynyl]- (CA INDEX NAME)



RN 785049-28-7 CAPLUS
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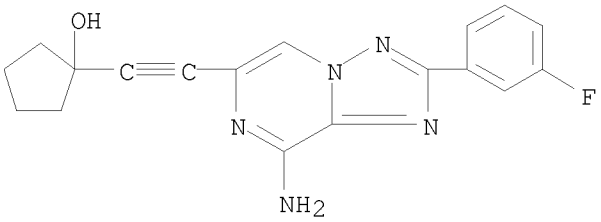
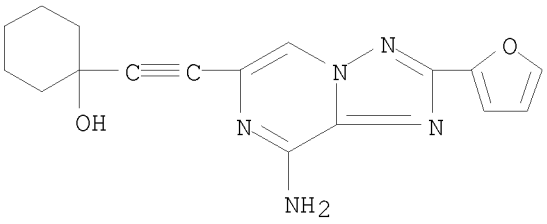
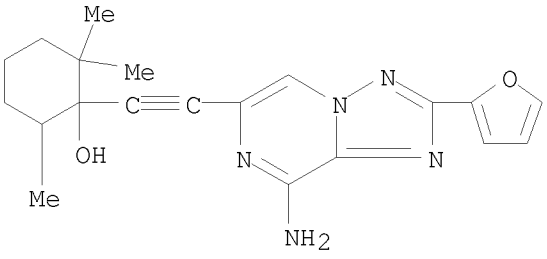


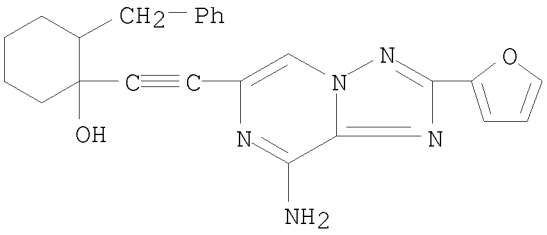
RN 785049-29-8 CAPLUS
CN Cyclohexanol, 1-[2-[8-amino-2-(2-furanyl)[1,2,4]triazolo[1,5-a]pyrazin-6-yl]ethynyl]- (CA INDEX NAME)



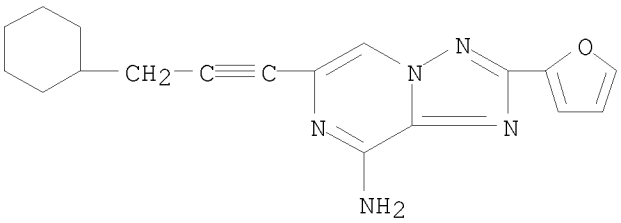
RN 785049-34-5 CAPLUS
CN Cyclohexanol, 1-[2-[8-amino-2-(2-furanyl)[1,2,4]triazolo[1,5-a]pyrazin-6-yl]ethynyl]-2,2,6-trimethyl- (CA INDEX NAME)



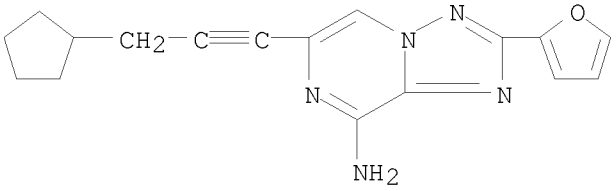
RN 785049-35-6 CAPLUS
CN Cyclohexanol, 1-[2-[8-amino-2-(2-furanyl)[1,2,4]triazolo[1,5-a]pyrazin-6-yl]ethynyl]-2-(phenylmethyl)- (CA INDEX NAME)



RN 785049-37-8 CAPLUS
CN [1,2,4]Triazolo[1,5-a]pyrazin-8-amine,
6-(3-cyclohexyl-1-propyn-1-yl)-2-(2-furanyl)- (CA INDEX NAME)



RN 785049-38-9 CAPLUS
CN [1,2,4]Triazolo[1,5-a]pyrazin-8-amine,
6-(3-cyclopentyl-1-propyn-1-yl)-2-(2-furanyl)- (CA INDEX NAME)



REFERENCE COUNT: 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> fil stnguide

| COST IN U.S. DOLLARS | SINCE FILE ENTRY | TOTAL SESSION |
|---|---|---|
| FULL ESTIMATED COST | 11.78 | 197.88 |

| DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS) | SINCE FILE ENTRY | TOTAL SESSION |
|---|---|---|
| CA SUBSCRIBER PRICE | -1.64 | -1.64 |

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| CA SUBSCRIBER PRICE | 0.00 | -1.64 |

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